

Converting Colors

$Yxy(77.6512, 0.3691, 0.4200)$

Have a look what the booklet for
Yxy(77.6512, 0.3691, 0.4200)
contains.

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Color

Yxy(77.8768, 0.3689, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	EAE993
RGB	234, 233, 147
RGB Percent	92%, 91%, 58%
CMY	0.0824, 0.0862, 0.4235
CMYK	0.00, 0.00, 0.37, 0.08
HSL	59°, 67%, 75%
HSV	59°, 37%, 92%
XYZ	68.3367, 77.8768, 39.0310
YIQ	223.4950, 28.2020, -26.5340

Conversions

Conversions Part 2

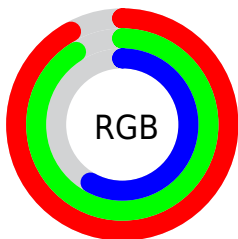
Format	Color
R _Y B	148, 234, 147
Decimal	15395219
CIE Lab	90.72, -12.09, 41.93
CIE LCh	91, 43.640, 106.080
Yxy	77.8768, 0.3689, 0.4204
Android (android.graphics.Color)	4293585299 (0xFFEAE993)
YUV	223.4950, -37.7120, 9.2129
Hunter-Lab	88.2478, -16.2082, 35.5502

Details

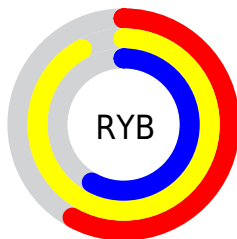
The Yxy color **77.8768, 0.3689, 0.4204** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.3198, 0.2448, 0.2176**, and the grayscale version is **74.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **41.6176, 0.3801, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **77.0677, 0.3829, 0.4430**, and if you desaturate by 10%, it is **78.8427, 0.3539, 0.3962**.

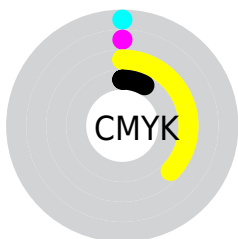
Distribution



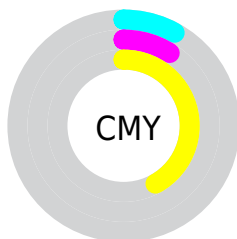
- Red (92%)
- Green (91%)
- Blue (58%)



- Red (58%)
- Yellow (92%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (37%)
- Black (8%)





- Cyan (8%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8768, 0.3689, 0.4204 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.8768, 0.3689, 0.4204 by changing the saturation by 10% instead.


 77.8768, 0.3689,
0.4204


 77.8768, 0.3689,
0.4204


487.7483, 0.3444,
0.3783

 57.9728, 0.3740,
0.4298


 130.3764, 0.3608,
0.4060

 41.7868, 0.3799,
0.4411


 163.7408, 0.3575,
0.4003

 28.9344, 0.3869,
0.4552

202.3608, 0.3547,
0.3954

 19.0312, 0.3951,
0.4728

246.6208, 0.3521,
0.3911

 11.6928, 0.4043,
0.4952

296.9051, 0.3499,
0.3873

 6.5349, 0.4138,
0.5242


353.5982, 0.3479,


 3.1730, 0.4282,


0.3840


0.5718

417.0845, 0.3461,
0.3810


 1.2227, 0.4053,
0.5947


 0.0801, 0.0000,
1.0000


 77.8768, 0.3689,
0.4204

 77.8768, 0.3689,
0.4204


 77.0677, 0.3829,
0.4430


 78.8427, 0.3539,
0.3962


 76.3955, 0.3952,
0.4629

 79.9630, 0.3386,
0.3712

 75.8537, 0.4055,
0.4793

 81.2490, 0.3234,
0.3464

 75.4309, 0.4132,
0.4915

 82.7080, 0.3086,
0.3223

■ 75.1136, 0.4183,
0.4992

■ 83.7536, 0.2999,
0.3082

■ 74.8842, 0.4208,
0.5030

■ 83.9063, 0.2999,
0.3085

■ 74.8275, 0.4213,
0.5036

■ 84.0592, 0.2999,
0.3088

■ 84.2123, 0.2999,
0.3090

■ 84.3656, 0.2999,
0.3093

Harmonies

Analogous

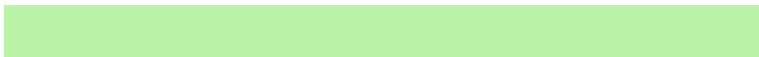
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8768, 0.4046, 0.3978



77.8768, 0.3689, 0.4204



77.8768, 0.3198, 0.4160

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8768, 0.3689, 0.4204



77.8768, 0.2200, 0.2839



77.8768, 0.3513, 0.2838

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.8768, 0.3689, 0.4204



33.3198, 0.2448, 0.2176

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8768, 0.2988, 0.2578



77.8768, 0.3689, 0.4204



77.8768, 0.2266, 0.2555

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8768, 0.3689, 0.4204



77.8768, 0.2354, 0.3299



77.8768, 0.2541, 0.2473



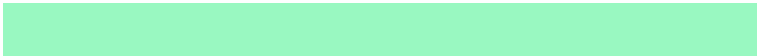
77.8768, 0.3954, 0.3202

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8768, 0.3689, 0.4204



77.8768, 0.2864, 0.3956



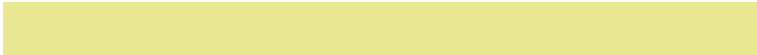
77.8768, 0.2541, 0.2473



77.8768, 0.3338, 0.2737

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.8803, 0.3689, 0.4204



98.1190, 0.3292, 0.3559



40.5109, 0.4023, 0.3276



20.9557, 0.3313, 0.3593



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8803, 0.3689, 0.4204



93.8472, 0.3802, 0.4387



72.1520, 0.3376, 0.4317



17.5957, 0.3268, 0.3520



42.0626, 0.4213, 0.5037



3.3124, 0.4210, 0.5039

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.3198, 0.2448, 0.2176



32.0328, 0.2275, 0.1892



37.6317, 0.2778, 0.2259



14.5765, 0.2980, 0.3049



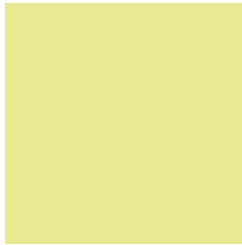
3.3832, 0.1502, 0.0607



0.2754, 0.1508, 0.0627

Previews

White Background



This preview shows how the Yxy color 77.8768, 0.3689, 0.4204 looks on a white background.

Color Contrast Check

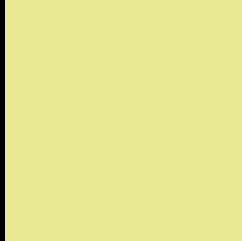
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.8768, 0.3689, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

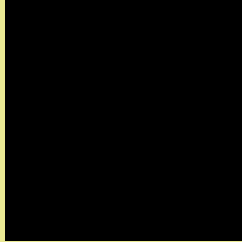
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8768, 0.3689, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 77.8768, 0.3689, 0.4204.

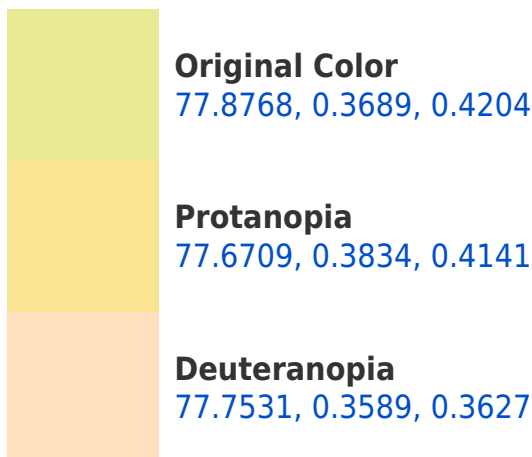


This preview shows how white text looks on a background with the Yxy color 77.8768, 0.3689, 0.4204.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

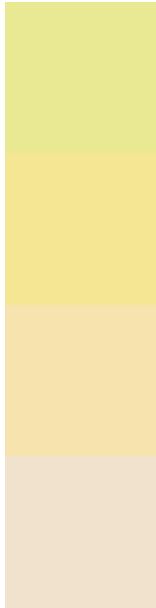




Tritanopia

77.8870, 0.3177, 0.3119

Trichromacy



Original Color

77.8768, 0.3689, 0.4204

Protanomaly

77.9020, 0.3782, 0.4162

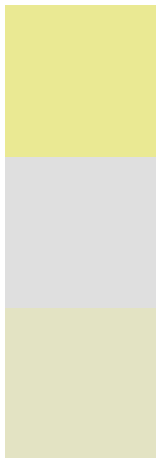
Deuteranomaly

77.7683, 0.3629, 0.3842

Tritanomaly

77.5497, 0.3367, 0.3500

Monochromacy



Original Color

77.8768, 0.3689, 0.4204

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.2092, 0.3338, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8768, 0.3689, 0.4204 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 233, 147)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 147)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 233, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 147) }
```

Border

The CSS property to change the border of an element to Yxy 77.8768, 0.3689, 0.4204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 233, 147) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 233, 147) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 233, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 147);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8768, 0.3689, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 147) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
233, 147) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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